

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge R.N. WEEKS

DAILY REPORT

Date: 05 / 16 / 98 Loads: 01

Area(s) Worked: Sandbridge VA, Borrow area B

Weather Conditions: Skies clear, Winds variable 5-10 knots, Seas 1'-3'.

Range of H₂O Temperature: Surface 63°F Below Mid-Depth 62°F

Condition of all screening apparatus: OK

Are there incidents involving endangered or protected species? Yes No X

Comments (type of material being dredged, biological specimens, etc.):

The dredge is 100% inflow screened. The dredge is equipped with four inflow boxes. The boxes are screened with openings no larger than 4"x4" openings. All the inflow boxes are totally enclosed with screen doors on top. Both dragarms have the ridged style T.E.D.s attached. There are two weirs in the fore area of the hopper. Both weirs are mostly screened.

After the first load minor modifications were made to the inflow boxes. A secondary pin was put in place on three of the doors. Now all doors have two pins to keep the door closed 100% during the load. With one pin in the doors were wedging open during the load.

Samples from the first load mainly consisted of horseshoe crabs, spider crabs, whelks, shell, coral, whelk egg casing, clearnose skates and trash.

The observer will be taking water temperatures from the dredge.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
No sightings			

Eric Westerman

Observer(s) On Duty:

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge R.N. Weeks

DAILY REPORT

Date: 05 / 17 / 98 Loads: 02-08

Area(s) Worked: Sandbridge VA, Borrow area B

Weather Conditions: Skies hazy to clear, Winds variable 5-10 knots, Seas calm to 3'

Range of H₂O Temperature: Surface 63°F Below Mid-Depth 60°F

Condition of all screening apparatus: One pin on the starboard aft box broke,
new pin being made up.

Are there incidents involving endangered or protected species? Yes No x

Comments (type of material being dredged, biological specimens, etc.):

Material digging is sand with small amounts
of shell and rock. Samples remain moderate in size. Samples
today consisted of clearnose skates, spider crabs, whelks,
flounder, stargazer, whelk egg casing, horseshoe crabs, rocks
and artillery shells.

Observers working hours are 1800-0600.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>No sightings</u>	<u> </u>	<u> </u>	<u> </u>
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Eric Westerman

Observer(s) On Duty:

Dredge R.N. Weeks

Date: 05 / 18 / 98 Loads: 09-16

Area(s) Worked: Sandbridge VA, Borrow area B

Weather Conditions: Skies partly cloudy, Winds calm to 10 knots, Seas 1'-3'.

Range of H₂O Temperature: Surface 68°F Below Mid-Depth 62°F

Condition of all screening apparatus: New pin replaced on the starboard
fore inflow box.

Are there incidents involving endangered or protected species? Yes No ☒

Comments (type of material being dredged, biological specimens, etc.): _____

Samples today consisted of horseshoe crabs, sea stars, sand dollars, spider crabs, speckled crabs, wheelks, artillery shells, rock, shell and clearnose skates.

The dragheads and weirs have stayed mostly free of debris. Material digging is sand with small amounts of shell.

Species	# of Sightings	# of Animals	Comments
No sightings			

Eric Westerman

Observer(s) On Duty: _____

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge R.N. Weeks

DAILY REPORT

Date: 05 / 19 / 98 Loads: 17-23

Area(s) Worked: Sandbridge VA, Borrow area B

Weather Conditions: Skies partly cloudy, Winds variable 10 knots, Seas 1'-3'

Range of H₂O Temperature: Surface 68°F Below Mid-Depth 66°F

Condition of all screening apparatus: OK

Are there incidents involving endangered or protected species? Yes No x

Comments (type of material being dredged, biological specimens, etc.):

Samples today consisted of clearnose skates,
spider crabs, horseshoe crabs, lady crabs, whelks, shell,
sand dollars, sea stars, flounder, artillery shells, rocks
and whelk egg cases.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>No sightings</u>	<u> </u>	<u> </u>	<u> </u>
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Observer(s) On Duty: Eric Westerman

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge R.N. Weeks

DAILY REPORT

Date: 05 / 20 / 98 Loads: 24-30

Area(s) Worked: Sandbridge VA, Borrow area B

Weather Conditions: Skies partly cloudy, Winds W-SW 10 knots, Seas 1'-3'

Range of H₂O Temperature: Surface 68°F Below Mid-Depth 66°F

Condition of all screening apparatus: OK

Are there incidents involving endangered or protected species? Yes No x

Comments (type of material being dredged, biological specimens, etc.):

Sample diversity remains the same. Samples today
consisted of horseshoe crabs, whelks, spider crabs, shell,
sea stars, sand dollars, artillery shells, whelk egg cases
and clearnose skates. Material digging is sand with small
amount of shell.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>No sightings</u>	<u> </u>	<u> </u>	<u> </u>
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Eric Westerman

Observer(s) On Duty:

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge

DAILY REPORT

Date: 05 / 21 / 98 Loads: 31-37

Area(s) Worked: Sandbridge VA, Borrow area B

Weather Conditions: Skies partly cloudy, Winds variable 10-15 knots, Seas 1'-3'

Range of H₂O Temperature: Surface 67°F Below Mid-Depth 64°F

Condition of all screening apparatus: OK

Are there incidents involving endangered or protected species? Yes No ☒

Comments (type of material being dredged, biological specimens, etc.):

Samples today consisted of clearnose skates, horseshoe crabs, spider crabs, stargazers, whelks, shell, whelk egg cases, sea stars, sand dollars, rocks and artillery shells.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
No sightings			

Eric Westerman

Observer(s) On Duty:

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge R.N. Weeks

DAILY REPORT

Date: 05/ 22 / 98 Loads: 38-45

Area(s) Worked: Sandbridge VA, Borrow area B

Weather Conditions: Skies partly cloudy, Winds variable 10-15 knots, Seas 2'-3'

Range of H₂O Temperature: Surface 66°F Below Mid-Depth 62°F

Condition of all screening apparatus: OK

Are there incidents involving endangered or protected species? Yes No X

Comments (type of material being dredged, biological specimens, etc.):

Material being dredged is sand with small
amounts of shell. Samples today consisted of horseshoe crabs,
spider crabs, whelks, stargazers, sea stars, sand dollars,
flounder, whelk egg cases, artillery shells and rocks.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>No sightings</u>	<u> </u>	<u> </u>	<u> </u>
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Eric Westerman

Observer(s) On Duty:

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge R.N. Weeks

DAILY REPORT

Date: 05 / 23 / 98 Loads: 46-50

Area(s) Worked: Sandbridge VA, Borrow area B

Weather Conditions: Skies partly cloudy, Winds NE 10-15 knots, Seas 2'-3'

Range of H₂O Temperature: Surface 64°F Below Mid-Depth 62°F

Condition of all screening apparatus: OK

Are there incidents involving endangered or protected species? Yes No ☒

Comments (type of material being dredged, biological specimens, etc.):

Samples today consisted of clearnose skates, horseshoe crabs, whelks, stargazers, sea stars, sand dollars, artillery shells, rock and spider crabs. Material digging is sand with small amounts of shell.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
No sightings			

Eric Westerman

Observer(s) On Duty:

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge R.N. Weeks

DAILY REPORT

Date: 05 / 24 / 98 Loads: 51-57

Area(s) Worked: Sandbridge VA, Borrow area B

Weather Conditions: Skies partly cloudy, Winds light airs to SE 5-10 knots, Seas 1'-3'

Range of H₂O Temperature: Surface 65°F Below Mid-Depth 64°F

Condition of all screening apparatus: OK

Are there incidents involving endangered or protected species? Yes No x

Comments (type of material being dredged, biological specimens, etc.):

Samples today consisted of horseshoe crabs,
whelks, spider crabs, atlantic angel shark, sea stars,
stargazers, whelk egg cases, artillery shell, rock and
clearnose skates. Material digging is sand with small amounts
shell.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>No sightings</u>	<u> </u>	<u> </u>	<u> </u>
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Observer(s) On Duty: Eric Westerman

Dredge R.N. Weeks

Date: 05 / 14-24 98 Loads: 01-57

Area(s) Worked: Sandbridge VA, Borrow are B.

Range of H₂O Temperature: Surface 63-68°F Below Mid-Depth 60-66°F

Condition of all screening apparatus: OK

Are there incidents involving endangered or protected species? Yes No **x**

Comments (type of material being dredged, biological specimens, etc.):

No turtles have been detected killed or injured.

No sea turtles have been sighted. Dredging commences on the 16th.

After the first day new pins were made up for the inflow doors. Now all doors have two pins in them.

All screening has stayed intact and in working order.

Samples this week have consisted of clearnose
skates, spider crabs, horseshoe crabs, lady crabs, whelks,
shell, stargazers, flounder, whelk egg cases, rocks and
artillery shells. All samples are found in the inflow baskets.
Material digging is sand with small amounts of shell.

Water temperatures are by the observers at the pump-out station. Observers hours are 1800-600.

Species	# of Sightings	# of Animals	Comments
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No Sightings			

Eric Westerman

Observer(s) On Duty: _____

Dredge R.N. Weeks

Date: 05 / 25 / 98 Loads: 58-64
Area(s) Worked: Sandbridge Va, Borrow area B
Weather Conditions: Skies Partly cloudy, Winds SW 10-15 knots, Seas 1'-3'
Range of H₂O Temperature: Surface 65°F Below Mid-Depth 64°F
Condition of all screening apparatus: OK

Comments (type of material being dredged, biological specimens, etc.):
 Samples today consisted of horseshoe crabs, whelks,
 flounder, spider crabs, whelk egg cases, skate egg cases,
 artillery shells, rock and clearnose skates. Material
 digging is sand with small amount of shell in it.

Species	# of Sightings	# of Animals	Comments
No sightings			

Observer(s) On Duty: _____

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge R.N. Weeks

DAILY REPORT

Date: 05 / 26 / 98 Loads: 65-71

Area(s) Worked: Sandbridge VA, Borrow area B

Weather Conditions: Skies cloudy, rain, Winds calm to SW 10-15 knots, Seas 1'-3'

Range of H₂O Temperature: Surface 69°F Below Mid-Depth 69°F

Condition of all screening apparatus: OK

Are there incidents involving endangered or protected species? Yes No X

Comments (type of material being dredged, biological specimens, etc.):

Samples today consisted of atlantic angel skarks,
horseshoe crabs, spider crabs, whelks, whelk egg cases,
stargazers, flounder, artillery shells, rocks and butterfly
rays. Material digging is sand with small amounts of shell.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>No sightings</u>	<u> </u>	<u> </u>	<u> </u>
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Eric Westerman

Observer(s) On Duty:

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge R.N. Weeks

DAILY REPORT

Date: 05 / 27 / 98 Loads: 72-78

Area(s) Worked: Sandbridge VA, Borrow area B

Weather Conditions: Skies cloudy, rain, Winds light airs to SE 10 knots, Seas 1'-3'

Range of H₂O Temperature: Surface 69°F Below Mid-Depth 69°F

Condition of all screening apparatus: OK

Are there incidents involving endangered or protected species? Yes No X

Comments (type of material being dredged, biological specimens, etc.):

Material digging is sand with small amounts
of shell. Samples today consisted of horseshoe crabs, whelks,
spider crabs, flounder, whelk egg cases, clearnose skates,
stargazers, rock and artillery shells.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>No sightings</u>	<u> </u>	<u> </u>	<u> </u>
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Eric Westerman

Observer(s) On Duty:

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge R.N. Weeks

DAILY REPORT

Date: 05 / 28 / 98 Loads: 79-85

Area(s) Worked: Sandbridge VA, Borrow area B

Weather Conditions: Skies cloudy, fog, Winds light airs, Seas 1'-2'

Range of H₂O Temperature: Surface 69°F Below Mid-Depth 68°F

Condition of all screening apparatus: ok

Are there incidents involving endangered or protected species? Yes No ☒

Comments (type of material being dredged, biological specimens, etc.):

Material digging is sand with small amounts of shell. Todays samples consisted of clearnose skates, horseshoe crabs, spider crabs, whelks, flounder, shell, rock, sand dollars, sea stars and artillery shells.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
No sightings			

Eric Westerman

Observer(s) On Duty:

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge R.N. Weeks

DAILY REPORT

Date: 05 / 29 / 98 Loads: 86-92

Area(s) Worked: Sandbridge VA, Borrow area B

Weather Conditions: Skies partly cloudy, light fog, Winds SW 5-10 knots, Seas 1'-3'

Range of H₂O Temperature: Surface 66°F Below Mid-Depth 62°F

Condition of all screening apparatus: OK

Are there incidents involving endangered or protected species? Yes No x

Comments (type of material being dredged, biological specimens, etc.):

Samples today consisted of whelks, flounder,
horseshoe crabs, spider crabs, clearnose skates, shell,
whelk egg cases, rocks and artillery shells. All samples
are collected in the inflow baskets.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>No sightings</u>	<u> </u>	<u> </u>	<u> </u>
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Eric Westerman

Observer(s) On Duty:

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge R.N. Weeks

DAILY REPORT

Date: 05 / 30 / 98 Loads: 93-99

Area(s) Worked: Sandbridge VA, Borrow area B

Weather Conditions: Skies partly cloudy, Winds SW 10-15 knots, Seas 1'-3'

Range of H₂O Temperature: Surface 68°F Below Mid-Depth 64°F

Condition of all screening apparatus: OK

Are there incidents involving endangered or protected species? Yes No x

Comments (type of material being dredged, biological specimens, etc.):

Samples today consisted of spider crabs,
horseshoe crabs, clearnose skates, whelks, stargazers, flounder,
sea stars, sand dollars, rocks and artillery shells. Material
digging is sand with small amount of shell.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>No sightings</u>	<u> </u>	<u> </u>	<u> </u>
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Eric Westerman

Observer(s) On Duty:

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge

DAILY REPORT

Date: 05 / 31 / 98 Loads: 100-101

Area(s) Worked: Sandbridge VA, Borrow Area B

Weather Conditions: Skies partly cloudy, Winds SW 10-15 knots, Seas 2'-3'

Range of H₂O Temperature: Surface 67°F Below Mid-Depth 62°F

Condition of all screening apparatus: OK

Are there incidents involving endangered or protected species? Yes _____ No x

Comments (type of material being dredged, biological specimens, etc.):

Samples today consisted of horseshoe

crabs, spider crabs, stargazers, whelks, whelk egg cases,

clearnose skates, rocks and artillery shells. Material digging

is sand with small amounts of shell.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>No sightings</u>	<u> </u>	<u> </u>	<u> </u>
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Observer(s) On Duty: Eric Westerman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge R.N. Weeks

WEEKLY REPORT

Date: 05 /25-31/ 98 Loads: 58-101

Area(s) Worked: Sandbridge VA, Borrow area B

Range of H₂O Temperature: Surface 65-69°F Below Mid-Depth 62-69°F

Condition of all screening apparatus: OK

Are there incidents involving endangered or protected species? Yes No X

Comments (type of material being dredged, biological specimens, etc.):

No sea turtles were detected injured or killed

this week. No turtles have been sighted this week.

Samples this week have consisted of clearnose

skates, butterfly rays, horseshoe crabs, spider crabs,

lady crabs, stargazers, flounder, atlantic angel shark,

whelk egg cases, shell, whelks, rocks and artillery shells.

Material digging is sand with small amount of shell mix.

All the screens and T.E.D.S remain in good

working order. Observers hours this week were from 1800-0600.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
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No sightings

Eric Westerman

Observer(s) On Duty:

Dredge R.N. Weeks

Date: 06 / 01 / 98 Loads: 102-105

Area(s) Worked: Sandbridge VA, Borrow area B

Weather Conditions: Skies partly cloudy, Winds SW 10-15 knots, Seas 1'-3'

Range of H₂O Temperature: Surface 71°F Below Mid-Depth 68°F

Condition of all screening apparatus: ok

Are there incidents involving endangered or protected species? Yes _____ No X

Comments (type of material being dredged, biological specimens, etc.): _____

Samples today consisted of horseshoe crabs, spider crabs, clearnose skates, stargazers, sea stars, rocks and artillery shells. Material digging is sand with small amount of shell mix.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
No sightings			

Eric Westerman

Observer(s) On Duty: _____

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge R.N. Weeks

DAILY REPORT

Date: 06 / 02 / 98 Loads: 106-112

Area(s) Worked: Sandbridge VA, Borrow area B

Weather Conditions: Skies clear, Winds SW 10 knots, Seas 1'3'

Range of H₂O Temperature: Surface 71⁰ Below Mid-Depth 68⁰F

Condition of all screening apparatus: OK

Are there incidents involving endangered or protected species? Yes No X

Comments (type of material being dredged, biological specimens, etc.):

Samples today consisted of whelks, shell,
spider crabs, stargazers, angel shark, clearnose skate,
horseshoe crabs, artillery shells and rocks.

Observers hours have change from 1800-0600 to
0600-1200, 1800-2400.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u> </u>	<u> </u>	<u> </u>	<u>No sightings</u>
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Eric Westerman

Observer(s) On Duty:

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge R.N. Weeks

DAILY REPORT

Date: 06 / 03 / 98 Loads: 113-119

Area(s) Worked: Sandbridge VA, Borrow area B

Weather Conditions: Skies clear, Winds variable 10 knots, Seas 1'-3'

Range of H₂O Temperature: Surface 57°F Below Mid-Depth 57°F

Condition of all screening apparatus: OK

Are there incidents involving endangered or protected species? Yes No ☒

Comments (type of material being dredged, biological specimens, etc.):

Material digging is sand with small amounts of shell mix. Samples today consisted of whelks, angel sharks, horseshoe crabs, spider crabs, flounder, stargazers, shell, wood, sea stars and artillery shells.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
			No sightings

Eric Westerman

Observer(s) On Duty:

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge R.N. Weeks

DAILY REPORT

Date: 06 / 04 / 98 Loads: 120-126

Area(s) Worked: Sandbridge Va, Borrow area B

Weather Conditions: Skies cloudy, Winds S 10 knots, Seas 1'-3'

Range of H₂O Temperature: Surface 67°F Below Mid-Depth 63°F

Condition of all screening apparatus: Fore port inflow box, the inboard pin broke off. A new pin will be made up for the box.

Are there incidents involving endangered or protected species? Yes No X

Comments (type of material being dredged, biological specimens, etc.):

Samples today consisted of horeshoe crabs,
spider crabs, whelks, angel sharks, flounder, stargazers,
sea stars, sand dollars, shell, rock and artillery shells.
Material digging is sand with small amounts of shell.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Tt</u>	<u>1</u>	<u>6</u>	<u>Bottlenose dolphins</u>
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Eric Westerman

Observer(s) On Duty:

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge R.N. Weeks

DAILY REPORT

Date: 06 / 05 / 98 Loads: 127-133

Area(s) Worked: Sandbridge VA, Borrow area B

Weather Conditions: Skies cloudy, Winds variable 10 knots, Seas 1'-3'

Range of H₂O Temperature: Surface 68°F Below Mid-Depth 65°F

Condition of all screening apparatus: OK, new pin being made up for the port cage.

Are there incidents involving endangered or protected species? Yes No ☒

Comments (type of material being dredged, biological specimens, etc.):

Samples today consisted of spider crabs, horseshoe crabs, whelks, shell, angel shark, rock, clearnose skates, sea stars and artillery shells. Material digging is sand with small of shell mix.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
			No sightings

Eric Westerman

Observer(s) On Duty:

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge R.N. Weeks

DAILY REPORT

Date: 06 / 06 / 98 Loads: 134-140

Area(s) Worked: Sandbridge VA, Borrow area B

Weather Conditions: Skies cloudy, Winds N 10-15 knots, Seas 2'-3'

Range of H₂O Temperature: Surface 69°F Below Mid-Depth 68°F

Condition of all screening apparatus: OK, Pin made up and should be welded on tomorrow.

Are there incidents involving endangered or protected species? Yes No ☒

Comments (type of material being dredged, biological specimens, etc.):

Samples remain the same. Samples collected today

were horseshoe crabs, spider crabs, whelks, angel sharks, stargazers, sea stars, whelk egg cases, rock, clearnose skates, flounder and artillery shells.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
			No sightings

Eric Westerman

Observer(s) On Duty:

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge R.N. Weeks

DAILY REPORT

Date: 06 / 07 / 98 Loads: 141-146

Area(s) Worked: Sandbridge VA, Borrow area B

Weather Conditions: Skies cloudy, Winds NE 10-15 knots, Seas 2'-3'

Range of H₂O Temperature: Surface 67°F Below Mid-Depth 67°F

Condition of all screening apparatus: OK, new pin welded on the port inflow basket.

Are there incidents involving endangered or protected species? Yes No ☒

Comments (type of material being dredged, biological specimens, etc.):

Samples today consisted of angel sharks, whelks, horseshoe crabs, spider crabs, shell, sea stars, sand dollars, flounder, stargazers, rock and artillery shells. Material digging is sand with small amounts of shell.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
			No sightings

Eric Westerman

Observer(s) On Duty:

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge R.N. Weeks

WEEKLY REPORT

Date: 06 /01-07/ 98 Loads: 102-146

Area(s) Worked: Sandbridge VA, borrow area B

Range of H₂O Temperature: Surface 57-71°F Below Mid-Depth 57-68°F

Condition of all screening apparatus: OK, one of the port pins broke off this week. A new pin was made up and welded back on the inflow cage.

Are there incidents involving endangered or protected species? Yes No x

Comments (type of material being dredged, biological specimens, etc.):

No sea turtles were detected killed or injured
this week. No turtles were sighted this week.

Samples this week have mainly consisted of
clearnose skates, angel sharks, spider crabs, rock crabs,
horseshoe crabs, whelks, whelk egg cases, shell, flounder,
stargazers, sea stars, sand dollars, rocks and artillery
shells.

The screens and T.E.D.s remain in good working
order. Material digging is sand with small amounts of shell.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Tt</u>	<u>1</u>	<u>6</u>	<u>Bottlenose dolphins</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>

Eric Westerman

Observer(s) On Duty:

Dredge R.N. Weeks

Date: 06 / 08 / 98 Loads: 147-150

Weather Conditions: Skies partly cloudy, Winds NW 10-15 knots, Seas 1'-3'

Range of H₂O Temperature: Surface 67°F Below Mid-Depth 66°F

Condition of all screening apparatus: OK

Are there incidents involving endangered or protected species? Yes _____ No X

Comments (type of material being dredged, biological specimens, etc.): _____

Material digging is sand with small amounts of shell. Samples today consisted of horseshoe crabs, whelks, spider crabs, flounder, clearnose skates, shell, sea stars, rock and artillery shells.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
			No sightings

Eric Westerman

Observer(s) On Duty: _____

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge R.N. Weeks
Norfolk District, USACE

DAILY REPORT

Date: 06 / 09 / 98 Loads: 151-153
Area(s) Worked: Sandbridge VA, borrow area B
Weather Conditions: Skies partly cloudy, rain, winds NW 8-12 knots, Seas 1'-3'
Range of H₂O Temperature: Surface NT Below Mid-Depth NT
Condition of all screening apparatus: OK

Are there incidents involving endangered or protected species? Yes No ☒

Comments (type of material being dredged, biological specimens, etc.):
The dredge was in port all day for fuel.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
			No sightings

Eric Westerman

Observer(s) On Duty:

Dredge R.N. Weeks
Norfolk District, USACE

Date: 06 / 10 / 98 Loads: 154-162
Area(s) Worked: Sandbridge VA, borrow area B
Weather Conditions: Skies cloudy, Winds SE 10 knots, Seas 2'-4'
Range of H₂O Temperature: Surface 68°F Below Mid-Depth 64°F
Condition of all screening apparatus: OK

Comments (type of material being dredged, biological specimens, etc.):
Samples today consisted of clearnose skates,
butterfly rays, horseshoe crabs, spider crabs, whelks,
rock, shell, flounder and artillery shells.
Observers hours continue to be 0600-1200,
1800-2400. Material digging is sand with small amount of
shell mix.

Species	# of Sightings	# of Animals	Comments
			No sightings

Eric Westerman

Observer(s) On Duty: _____

Dredge R.N. Weeks
Norfolk District, USACE

Date: 06 / 11 / 98 Loads: 163-170

Area(s) Worked: Sandbridge VA, borrow area B

Weather Conditions: Skies cloudy, Winds E-SE 5-10 knots, Seas 1'-3'

Range of H₂O Temperature: Surface 66°F Below Mid-Depth 67°F

Condition of all screening apparatus:_____OK

Are there incidents involving endangered or protected species? Yes No X

Comments (type of material being dredged, biological specimens, etc.):

Samples today consisted of horseshoe crabs, spider crabs, whelks, shell, flounder, clearnose skates, sea stars and artillery shells.

While arriving at the pump-out station an adult loggerhead sea turtle was sighted. The turtle dove and was not sighted again. The turtle was sighted at 0548 at coordinates 36°43.4615'N, 075°55.6923'W.

Species	# of Sightings	# of Animals	Comments
Cc	1	1	Loggerhead sea turtle
Tt	1	3	Bottlenose dolphins

Eric Westerman

Observer(s) On Duty: _____

Dredge R.N. Weeks
Norfolk District, USACE

Date: 06 / 12 / 98 Loads: 171-178
Area(s) Worked: Sandbridge VA, borrow area B
Weather Conditions: Skies cloudy, rain, Winds SE 10 knots, Seas 2'-3'
Range of H₂O Temperature: Surface 67°F Below Mid-Depth 66°F
Condition of all screening apparatus: OK

Comments (type of material being dredged, biological specimens, etc.):
 Samples today consisted of horseshoe crabs,
 spider crabs, whelks, shell, artillery shells, angel sharks,
 stargazers, sea stars, sand dollars, rock and clearnose skates.
 Material digging is sand with small amounts of shell.

Species	# of Sightings	# of Animals	Comments
			No sightings

Eric Westerman

Observer(s) On Duty: _____

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge R.N. Weeks
Norfolk District, USACE

DAILY REPORT

Date: 06 / 13 / 98 Loads: 179-185
Area(s) Worked: Sandbridge VA, borrow area B
Weather Conditions: Skies cloudy, thunderstorms, Winds 5-10, Seas 1'-3'
Range of H₂O Temperature: Surface 69°F Below Mid-Depth 68°F
Condition of all screening apparatus: OK

Are there incidents involving endangered or protected species? Yes No X

Comments (type of material being dredged, biological specimens, etc.):
Samples today consisted of rock crabs, spider crabs,
horseshoe crabs, whelks, flounder, clearnose skates, rock,
shell, sea stars, sand dollars and artillery shells. Material
digging is sand with small amounts of shell.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Tt</u>	<u>3</u>	<u>23</u>	<u>Bottlenose dolphins</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>

Eric Westerman

Observer(s) On Duty:

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge R.N. Weeks
Norfolk District, USACE

DAILY REPORT

Date: 06 / 14 / 98 Loads: 186-192
Area(s) Worked: Sandbridge VA, borrow area B
Weather Conditions: Skies partly cloudy, Winds SW 10 knots, Seas 1'-3'
Range of H₂O Temperature: Surface 68°F Below Mid-Depth 67°F
Condition of all screening apparatus: OK

Are there incidents involving endangered or protected species? Yes No ☒

Comments (type of material being dredged, biological specimens, etc.):

Samples today consisted of horseshoe crabs,
spider crabs, whelks, clearnose skates, sand dollars, rocks,
blue crabs, shell and artillery shells.

At 1450 a large badly decomposed loggerhead was
sighted east of the digging area. The dead turtle was bloated
with large areas of the head and neck colored white. Coordinates
of the sighting are 36°45.5693'N, 075°52.0207'W. The dead turtle
is not associated with the dredging project. The turtles carapace
looked intact.

Observers hours today were 0600-1800.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Cc	1	1	Dead loggerhead sea turtle
Tt	1	4	Bottlenose dolphins

Eric Westerman

Observer(s) On Duty:

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge R.N. Weeks
Norfolk District, USACE

WEEKLY REPORT

Date: 06 / 08-14 98 Loads: 147-192

Area(s) Worked: Sandbridge VA, borrow area B.

Range of H₂O Temperature: Surface 66-69°F Below Mid-Depth 64-68°F

Condition of all screening apparatus: OK, Screens and the T.E.D.s remain in working order.

Are there incidents involving endangered or protected species? Yes No X

Comments (type of material being dredged, biological specimens, etc.):

No sea turtles were detected killed or injured
this week. Two loggerhead sea turtles were sighted this week.
One was sighted at the pump-out station and the other one was
sighted east of the digging area. The turtle sighted by the cut
area was badly decomposed. The carapace looked to be intact. The
dead turtle is not associated with the dredge project.

Samples this week mainly consisted of whelks,
horseshoe crabs, spider crabs, blue crabs, rock crabs, shell,
angel sharks, butterfly rays, clearnose skates, sand dollars,
sea stars, stargazers, flounder, whelk egg cases, coral, rocks
and artillery shells.

Observers hours this week have been from 0600-1200,
1800-2400, and one day from 0600-1800. The dredge went into
port one day for fuel and water. Water temperatures continue
to be taken by the observer at the pump-out station.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Cc</u>	<u>2</u>	<u>2</u>	<u>Loggerhead sea turtles</u>
<u>Tt</u>	<u>5</u>	<u>30</u>	<u>Bottlenose dolphins</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>

Eric Westerman

Observer(s) On Duty:

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge R.N. Weeks
Norfolk District, USACE

DAILY REPORT

Date: 06 / 15 / 98 Loads: 193-200

Area(s) Worked: Sandbridge VA, borrow area B

Weather Conditions: Sky partly cloudy, Winds SW 10-15 knots, Seas 1'-3'

Range of H₂O Temperature: Surface 68°F Below Mid-Depth 67°F

Condition of all screening apparatus: OK

Are there incidents involving endangered or protected species? Yes No X

Comments (type of material being dredged, biological specimens, etc.):

Samples today consisted of whelks, shell,
flounder, clearnose skates, spider crabs, horseshoe crabs,
whelk egg cases, rock and artillery shells. Material digging
is sand with small amount of shell.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u> </u>	<u> </u>	<u> </u>	<u>No sightings</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>

Eric Westerman

Observer(s) On Duty:

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge R.N. Weeks
Norfolk District, USACE

DAILY REPORT

Date: 06 / 16 / 98 Loads: 201-207
Area(s) Worked: Sandbridge VA, borrow area B
Weather Conditions: Skies variable, thunderstorms, Winds variable 10-50 knots,
Range of H₂O Temperature: Surface 62°F Below Mid-Depth 60°F Seas 1'-3'
Condition of all screening apparatus: OK

Are there incidents involving endangered or protected species? Yes _____ No X

Comments (type of material being dredged, biological specimens, etc.):
Material digging is sand with a small amount
of shell. Samples today consisted of horseshoe crabs, wheels,
blue crabs, angel sharks, clearnose skates, spider crabs, shell,
rock and artillery shells.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
			No sightings

Eric Westerman

Observer(s) On Duty: _____

Dredge R.N. Weeks
Norfolk District, USACE

Date: 06 / 17 / 98 Loads: 208-214
Area(s) Worked: Sandbridge VA, borrow area B
Weather Conditions: Skies partly cloudy, Winds W-NW 5-10 knots, Seas 1'-3'
Range of H₂O Temperature: Surface 72°F Below Mid-Depth 72°F
Condition of all screening apparatus: OK

Comments (type of material being dredged, biological specimens, etc.):
 Samples today consisted of whelks, spider
 crabs, lady crabs, horseshoe crabs, shell, flounder, sea
 stars, sand dollars, artillery shells and rocks. Material
 digging is sand with small amounts of shell.

Species	# of Sightings	# of Animals	Comments
			No sightings

Observer(s) On Duty: _____

Dredge R.N. Weeks
Norfolk District, USACE

Date: 06 / 18 / 98 Loads: 215-220
Area(s) Worked: Sandbridge VA, borrow area B
Weather Conditions: Skies partly cloudy, Winds SW 5-15 knots, Seas 1'-3'
Range of H₂O Temperature: Surface 72°F Below Mid-Depth 70°F
Condition of all screening apparatus: OK

Comments (type of material being dredged, biological specimens, etc.):
Samples collected today consist of shell, whelks, spider crabs, horseshoe crabs, clearnose skates, flounder, rocks and artillery shells. Material digging is sand with small amount of shell mix.

Species	# of Sightings	# of Animals	Comments
			No sightings

Observer(s) On Duty: _____

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *R.N. WEEKS* / Sandbridge Beach Erosion Control
USACE, Norfolk District

DAILY REPORT

Date: 06 / 19 / 98 Loads: 221-227
Area(s) Worked: Sandbridge VA, borrow area B
Weather Conditions: Skies cloudy, Winds SW 5-10 knots, Seas 1'-2'
Range of H₂O Temperature: Surface 74°F Below Mid-Depth 66°F
Condition of all screening apparatus: OK

Are there incidents involving endangered or protected species? Yes No X

Comments (type of material being dredged, biological specimens, etc.):

Material digging is sand with small amount of shell
mix. Observers hours remain 600-1200, 1800-2400.

Samples today consist of horseshoe crabs,
whelks, spider crabs, flounder, clearnose skates, sea stars,
sand dollars, whelk egg cases, rocks and artillery shells.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u> </u>	<u> </u>	<u> </u>	<u>No sightings</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>

Observer(s) On Duty: Eric Westeeman

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *R.N. WEEKS* / Sandbridge Beach Erosion Control
USACE, Norfolk District

DAILY REPORT

Date: 06 / 21 / 98 Loads: 231-236
Area(s) Worked: Borrow area B
Weather Conditions: Skies partly cloudy, Winds variable 10 knots, Seas 1'-2'
Range of H₂O Temperature: Surface 72°F Below Mid-Depth 66°F
Condition of all screening apparatus: OK

Are there incidents involving endangered or protected species? Yes No X

Comments (type of material being dredged, biological specimens, etc.):
The cage doors remained closed all day. There
was debris build up problem. Samples today remained mainly
whelks, horseshoe crabs, spider crabs, shell, flounder,
clearnose skates, rocks and artillery shells.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
			<u>No sightings</u>

Eric Westerman

Observer(s) On Duty: _____

WEEKLY SUMMARY

Area(s) Worked: Borrow area B

Are there incidents involving endangered or protected species? Yes _____ No x

Comments (Attach Daily Reports and Incident Reports as necessary):_____

~~No sea turtles were detected killed or injured this week. No turtles were sighted in the area this week.~~

The T.E.D.s and screens remain in working order and needed no repairs. Starting with load 230 the screen doors will not be closed when the observer is off duty. This is due to debris going into the hopper and damaging the pump-out doors. As when the doors are closed the observer picks through the debris and gets rid of the big debris overboard. With the observer working six on six off schedule the debris shouldn't build up that much.

Samples this week mainly consisted of shell, clearnose skates, whelks, horseshoe crabs, spider crabs, blue crabs, spider crabs, rock crabs, sea stars, sand dollars, whelk egg cases, angel sharks, flounder, stargazers, rock and artillery shells.

Material digging is sand with small amounts of shell mix. Water temperatures are taken at the pump-out area by the observer.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
			No sightings

Eric Westerman

Observers On Duty: _____

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *R.N. WEEKS* / Sandbridge Beach Erosion Control
USACE, Norfolk District

DAILY REPORT

Date: 06 / 22 / 98 Loads: 237-244
Area(s) Worked: Borrow area E
Weather Conditions: Skies partly cloudy, Winds variable 10 knots, Seas 1'-2'
Range of H₂O Temperature: Surface 75°F Below Mid-Depth 69°F
Condition of all screening apparatus: OK

Are there incidents involving endangered or protected species? Yes No x

Comments (type of material being dredged, biological specimens, etc.):
Samples today consisted of horseshoe crabs,
spider crabs, blue crabs, clearnose skates, angel shark,
shell, sea stars, flounder, sand dollars, whelk egg cases,
rock and artillery shells. Material digging is sand with
small amounts of shell.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
			No sightings

Eric Westerman

Observer(s) On Duty: _____

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge R.N. WEEKS / Sandbridge Beach Erosion Control
USACE, Norfolk District

DAILY REPORT

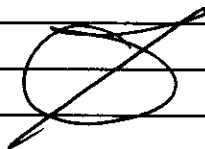
Date: 06 / 23 / 98 Loads: 244 - 250
Area(s) Worked: BORROW AREA B
Weather Conditions: CLEAR to PARTLY CLOUDY, WINDS NW 0-15 kts, seas 1-3 ft
Range of H₂O Temperature: Surface 77° F Below Mid-Depth 72° F
Condition of all screening apparatus: GOOD CONDITION

Are there incidents involving endangered or protected species? Yes No X

Comments (type of material being dredged, biological specimens, etc.): JUDD KLEMENT
CAME ON THE SHIP AT 10:00 AM. 1st WEEK
WILL WORK 1200-1800 & 0000-0600. THE
SPECIMENS TAKEN TODAY WERE: CRABS (spider & horseshoe),
FLOUNDER, WHELKS, SEA STARS, SAND DOLLARS, CONCH,
4 1/2' ANGEL SHARK, 11 CLEARNOSE SKATES, ROCK, & ARTILLERY
DEBRIS.

THERE WERE NO TURTLES TAKEN OR INJURED

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
			

Observer(s) On Duty: JUDD KLEMENT

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge R.N. WEEKS / Sandbridge Beach Erosion Control
USACE, Norfolk District

DAILY REPORT

Date: 06/24/98 Loads: 253, 254, 257, 258
Area(s) Worked: BORROW AREA B
Weather Conditions: CLEAR TO CLOUDY, LIGHT WINDS, SEAS 1-3 FT
Range of H₂O Temperature: Surface 78° F Below Mid-Depth 72-74° F
Condition of all screening apparatus: GOOD CONDITION

Are there incidents involving endangered or protected species? Yes No X

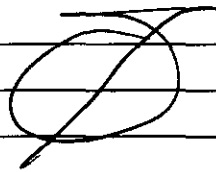
Comments (type of material being dredged, biological specimens, etc.):

THERE WERE NO TURTLES TAKEN, INJURED OR
SPOTTED TODAY.

THE SPECIMENS CONSISTED OF: CRABS (spider &
horseshoe & blue), WHELK, CONCH, TRASH, WHELK
CASINGS, 2 FT ANGEL SHARK, 18 CLEARNOSE SKATES,
& 60 5 GALLON BUCKETS OF ROCK & ARTILLERY
DEBRIS WERE TAKEN FROM THE CAGES.

THE MAJORITY OF MATERIAL DREDGED WAS
SAND & SHELL DEBRIS.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
			

Observer(s) On Duty: Judd Klement

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge R.N. WEEKS / Sandbridge Beach Erosion Control
USACE, Norfolk District

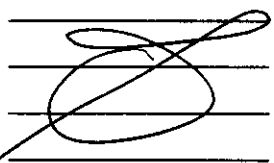
DAILY REPORT

Date: 06/25/98 Loads: 261-262, 264-265
Area(s) Worked: BORROW AREA B
Weather Conditions: CLEAR, LIGHT WINDS, SEAS 0-3 FT
Range of H₂O Temperature: Surface 79-80° F Below Mid-Depth 70-78° F
Condition of all screening apparatus: GOOD CONDITION

Are there incidents involving endangered or protected species? Yes No X

Comments (type of material being dredged, biological specimens, etc.): NO TURTLES
WERE, INJURED, KILLED OR SEEN TODAY.
THE MAJORITY OF THE MATERIAL DREDGED WAS
SAND AND SHELL MATERIAL.
THE BIOLOGICAL SPECIMENS TAKEN WERE CRABS (spider
& horseshoe), WHISK CASINGS, CONCH, FLOUNDER, HERMIT
CRABS, WHISK CASINGS, HERMIT CRABS, LG. STARFISH,
19 CLEA NOSE SKATES & 2 5 GALLON BUCKETS
OF ROCK & ARTILLERY DEBRIS

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
			

Observer(s) On Duty: JUDO Klement

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge R.N. WEEKS / Sandbridge Beach Erosion Control
USACE, Norfolk District

DAILY REPORT

Date: 06 / 26 / 98 Loads: 268-270, 273-274
Area(s) Worked: BORROW AREA B
Weather Conditions: CLEAR, LIGHT WINDS, SEAS 1-3 FT
Range of H₂O Temperature: Surface 74-77° F Below Mid-Depth 66-73° C
Condition of all screening apparatus: GOOD CONDITION

Are there incidents involving endangered or protected species? Yes No X

Comments (type of material being dredged, biological specimens, etc.):

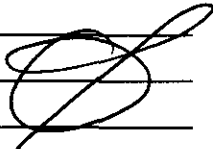
THERE WERE NO TURTLES TAKEN, SEEN, OR
INJURED TODAY

THE MAJORITY OF THE MATERIAL DREDGED WAS
SAND & SHELL MATERIAL.

THE BIOLOGICAL SPECIMENS TAKEN TODAY
WERE CRABS (SPIDER & HORSESHOE), CONCH, WOOD,
8 FLOWNERS, WHISK CASINGS, SAND DOLLARS, 17
CLEANNOSE GRATES, 3 STARGAZERS, 2 ANGEL SHARKS, #
3 5 GALLON BUCKETS OF ROCK & ARTILLERY
DEBRIS.

TWO RIB PIECES & PART OF A PLASTON
FROM AN OLD TURTLE WERE ALSO FOUND IN THE
CAGES

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
			

Observer(s) On Duty: JUDD KLEMENT

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge R.N. WEEKS / Sandbridge Beach Erosion Control
USACE, Norfolk District

DAILY REPORT

Date: 06 / 27 / 98 Loads: 277-278, 280-282
Area(s) Worked: BORROW AREA B
Weather Conditions: CLEAR, LIGHT WINDS, SEAS 0-3 ft
Range of H₂O Temperature: Surface 72°F Below Mid-Depth 66-68°F
Condition of all screening apparatus: GOOD CONDITION

Are there incidents involving endangered or protected species? Yes No X

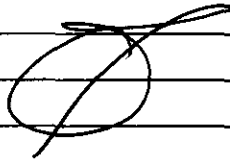
Comments (type of material being dredged, biological specimens, etc.):

THE TYPE OF MATERIAL DREDGED CONSISTED
MAINLY OF SAND & SHELL MATERIAL

THERE WERE NO TURTLES, SIGHTED, TAKEN, OR
INJURED TODAY.

THE BIOLOGICAL SPECIMENS CONSISTED OF
CRABS (SPIDER & HORSESHOE), CONCH, WHELK CASINGS, 3
STARGAZERS, 12 CLEARNOSE SCATES, & 4 plus
5 GALLON BUCKETS OF ROCK & ARTILLERY
DEBRIS.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
			

Observer(s) On Duty: JUDD KLEMENT

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge R.N. WEEKS / Sandbridge Beach Erosion Control
USACE, Norfolk District

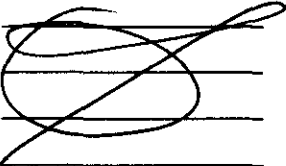
DAILY REPORT

Date: 06/28/98 Loads: 284-286, 288-289
Area(s) Worked: BORROW AREA B
Weather Conditions: STARTED CLEAR w/ AFTERNOON T-STORMS, LIGHT - MODERATE WINDS
Range of H₂O Temperature: Surface 78-80° F Below Mid-Depth 72°-78° F ^{SETS 1-6 ft.}
Condition of all screening apparatus: GOOD CONDITION

Are there incidents involving endangered or protected species? Yes No X

Comments (type of material being dredged, biological specimens, etc.): NO TURTLES
WERE INJURED, KILLED, OR SEEN TODAY.
THE MAJORITY OF MATERIAL DREDGED WERE
SAND AND SHELL MATERIAL.
THE BIOLOGICAL SPECIMENS TAKEN WERE
CRABS (SPIDER & HORSESHOE), CONCH, 2 ANGEL
SHARK (2'1/2-3'), ~~2~~ 25 CLEARNOSE SKATES, AND
5 heavy milkcrates OF ROCK AND ARTILLERY
DEBRIS

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
			

Observer(s) On Duty: JUDY KLEMENT

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge R.N. WEEKS / Sandbridge Beach Erosion Control
USACE, Norfolk District


DAILY REPORT

Date: 06 / 29 / 98 Loads: 292-293, 295-297
Area(s) Worked: BORROW AREA B
Weather Conditions: OVERCAST & PARTLY CLOUDY, SEAS 1-6ft WINDS SE 15-25kts
Range of H₂O Temperature: Surface 76-78°F Below Mid-Depth 64-74°F
Condition of all screening apparatus: GOOD CONDITION

Are there incidents involving endangered or protected species? Yes No X

Comments (type of material being dredged, biological specimens, etc.): THERE WERE NO
TURTLES INJURED, KILLED OR SEEN TODAY.
THE MAJORITY OF THE MATERIAL BEING DREDGED IS
SAND WITH SOME SHELL MATERIAL.
THE MAJORITY OF THE BIOLOGICAL SPECIMENS ARE
SPIDER & HARE CRABS, COCH, WHELK CASINGS, SAND DOLLARS,
48 CLEARNOSE SKATES, FLOUNDER, 7 STURGEONS, 2 ANGEL
SHARKS (2'-4') & 8 MILLCRATES FULL WITH
ROCK & ARTIFICIAL DEBRIS.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
			

Observer(s) On Duty: JOJO KLEMENT

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge R.N. WEEKS / Sandbridge Beach Erosion Control
USACE, Norfolk District

WEEKLY SUMMARY

Dates: 06 / 22 / 98 - 06 / 29 / 98 Loads: 237 - 297
Range of H₂O Temperature: Surface 72-80°F Below Mid-Depth 64-78°F
Area(s) Worked: BORROW AREA B

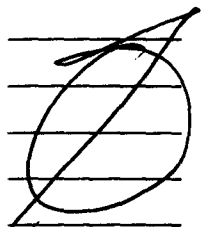
Are there incidents involving endangered or protected species? Yes No X

Comments (Attach Daily Reports and Incident Reports as necessary): THERE WERE NO
TURTLES KILLED, INJURED OR SIGHTED THIS WEEK.
THE SCREENING APPARATUS IS WORKING WELL
AND THE MAJORITY OF THE MATERIAL BEING
DREDGED IS SAND WITH SOME SHELL MATERIAL.
TEMPERATURES WERE TAKEN AT THE DUMPSITE BY
THE OBSERVER.
THE MAJORITY OF THE BIOLOGICAL SPECIMENS WERE
CRABS (SPIDER & HORSESHOE), SAND \$, WHELK CASINGS,
CONCH, TRASH, FLOUNDER, STARGAZERS, ANGEL SHARKS
AND CLEARNOSE SKATES.

THIS WEEK I WORKED ~~0600-0800~~ ⁰⁸⁰⁰ - 0600 & ~~1200-1800~~ ¹²⁰⁰⁻¹⁸⁰⁰
ON THE 29th I SWITCHED OVER TO
0600-1200 & 1800-0000.

THERE WAS 16 5 GALLON BUCKETS OF ROCK AND
ARTILLERY DEBRIS AS WELL AS 13 CRATES OF
THE SAME MATERIAL TAKEN FROM THE CAGES
AND DUMPED OVER BOARD WHILE ON THE
WAY TO THE PUMPING STATION.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
			

Observers On Duty: JUDD KLEMENT

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge R.N. WEEKS / Sandbridge Beach Erosion Control
USACE, Norfolk District

DAILY REPORT

Date: 06/30/98 Loads: 300, 301, 304, 305
Area(s) Worked: BORROW AREA B
Weather Conditions: PTLY CLOUDY w/ LATE T-STORMS, WINDS SW 5-35 KTS, SEAS 1-6ft
Range of H₂O Temperature: Surface 72°F Below Mid-Depth 66°F
Condition of all screening apparatus: GOOD CONDITION

Are there incidents involving endangered or protected species? Yes No X

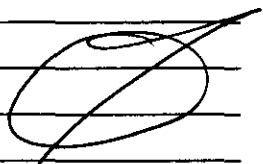
Comments (type of material being dredged, biological specimens, etc.):

THERE WERE NO TURTLES KILLED, INJURED, OR
SIGHTED TODAY. THE MAJORITY OF THE MATERIAL
DREDGED WAS SAND WITH SOME SHELL
MATERIAL.

THE MAJORITY OF THE BIOLOGICAL SPECIMENS
WERE: CRABS (SPIDER & HORSESHOE), WHISK
CASINGS, CONCH, SAND DOLLARS, BRASS, WOOD,
2 ANGEL SHARKS & 29 CLEARNOSE SKATES,
STARFISH, & SEA STARS.

13 1/2 CRATES OF ROCK & ARTILLERY
DEBRIS WERE TAKEN FROM THE CAGES

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
			

Observer(s) On Duty: JUDD KLEMENT

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge R.N. WEEKS / Sandbridge Beach Erosion Control
USACE, Norfolk District

DAILY REPORT

Date: 07/01/98 Loads: 308-309, 318
Area(s) Worked: BORROW AREA B
Weather Conditions: CLEAR → PARTLY CLOUDY WINDS 0-20 KTS, SEAS 1-3 FT
Range of H₂O Temperature: Surface 75-78°F (77°F) Below Mid-Depth 68-78°F (73°F)
Condition of all screening apparatus: GOOD CONDITION

Are there incidents involving endangered or protected species? Yes No X

Comments (type of material being dredged, biological specimens, etc.):

THERE ~~WERE~~ WERE NO TURTLES INJURED, KILLED, OR SIGHTED TODAY.

THE MAJORITY OF THE MATERIAL DREDGED WAS SAND & SHELL.

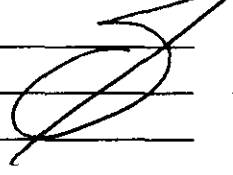
THE BIOLOGICAL SPECIMENS TAKEN WERE CRABS (SPIDER & HORSESHOE CRAB), SAND DOLLARS, WHEAT CASINGS, STARFISHES AND 26 CLEARNOSE SCATES

THERE WAS ALSO 12 CRATES OF ROCK & ARTILLERY DEBRIS TAKEN FROM THE CAGES. THE MATERIAL WAS DUMPED OVER THE SIDE ON THE WAY TO THE PUMP OUT STATION

THE SHIP WENT DOWN AT 21:30 - 23:45

Bridge Watch Summary

Species # of Sightings # of Animals Comments

Observer(s) On Duty: JUDY KLEIN

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge R.N. WEEKS / Sandbridge Beach Erosion Control
USACE, Norfolk District

DAILY REPORT

Date: 07 / 02 / 98 Loads: 314-316, 318-319
Area(s) Worked: Borrow AREA B
Weather Conditions: CLEAR, WINDS N 0-10 KTS, SEAS 1-3 FT
Range of H₂O Temperature: Surface 76° F Below Mid-Depth 64-68° F
Condition of all screening apparatus: GOOD CONDITION

Are there incidents involving endangered or protected species? Yes No X

Comments (type of material being dredged, biological specimens, etc.):

THERE WERE NO TURTLES INJURED, KILLED, OR SIGHTED
TO DAY. THE MAJORITY OF THE MATERIAL BEING DREDGED
WAS SAND W/ SOME SILT MATERIAL. THE TEMPERATURES
WERE TAKEN AT THE DUMPSITE BY THE OBSERVER.
THE MAJORITY OF THE BIOLOGICAL SPECIMENS WERE
CRABS (SPIDER & HORSeshoe), WHELK CASINGS, CONCH, SAND DOLLARS,
NEARBY PURSES, 3 STARGAZERS, 23 CLEARNOSE SKATES, 3
ANGEL SHARKS (1'-3'), FLOUNDER & 10 CRATES OF
ROCK AND ARTILLERY DEBRIS. THE ROCK & ARTILLERY
DEBRIS WERE DUMPED OVERBOARD ON THE WAY TO THE
PUMPING STATION.

SIX DOLPHINS WERE SPOTTED 300 yds OFF THE BEACH

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>TE</u>	<u>1</u>	<u>6</u>	<u>300 yds OFF THE BEACH AT 1140</u>

Observer(s) On Duty: JUD KLEMENT

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge R.N. WEEKS / Sandbridge Beach Erosion Control
USACE, Norfolk District

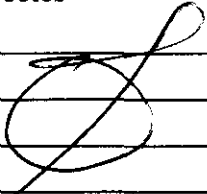
DAILY REPORT

Date: 07/03/98 Loads: 323-324
Area(s) Worked: BORROW AREA B
Weather Conditions: CLEAR WINDS SE 0-15 KTS, SEAS 1-3 FT
Range of H₂O Temperature: Surface 72° F Below Mid-Depth 68° F
Condition of all screening apparatus: GOOD CONDITION

Are there incidents involving endangered or protected species? Yes _____ No X

Comments (type of material being dredged, biological specimens, etc.):

THERE WERE NO TURTLES INJURED, KILLED OR SIGHTED TODAY. THE MAJORITY OF THE MATERIAL BEING DREDGED WAS SAND W/ SOME SHELL MATERIAL. TEMPERATURES WERE TAKEN AT THE DUMP SITE BY THE OBSERVER. THE MAJORITY OF THE BIOLOGICAL SPECIMENS TAKEN WERE CRABS (SPIDER & HORSESHOE), SAND DOLLARS, CONCH, WHELK CASINGS, 4 STARGAZERS, 7 CLEA NOSE SLATES. ALSO SIX 5 GALLON BUCKETS OF ROCK & ARTILLERY DEBRIS WAS TAKEN FROM THE CAGES AND DUMPED. WHILE TRANSFERRING TO PUMPOUT STATION THE SHIP WAS OFFLINE FROM 0600-1200 & 2200 —
Bridge Watch Summary FOR REPAIRS

Species	# of Sightings	# of Animals	Comments
			

Observer(s) On Duty: JUDD Klement

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge R.N. WEEKS / Sandbridge Beach Erosion Control
USACE, Norfolk District

DAILY REPORT

Date: 07/04/98 Loads: 326-327, 329-330
Area(s) Worked: BORROW AREA B
Weather Conditions: CLEAR → OVERCAST, WINDS 0-25 KTS, SEAS 0-6 FT
Range of H₂O Temperature: Surface 71-76° F (^{AVE} 73.5) Below Mid-Depth 61-64° F (^{AVE} 62.5)
Condition of all screening apparatus: GOOD CONDITION

Are there incidents involving endangered or protected species? Yes No X

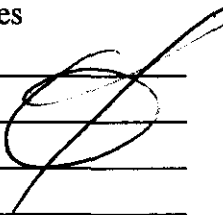
Comments (type of material being dredged, biological specimens, etc.):

THERE WERE NO TURTLES INJURED, KILLED, OR SIGHTED
TODAY. THE MAJORITY OF THE MATERIAL BEING
DREDGED WAS SAND WITH SOME SHELL. ~~AND~~
TEMPERATURES WERE TAKEN AT THE DUMPSITE
BY THE OBSERVER.

THE MAJORITY OF THE BIOLOGICAL SPECIMENS
TAKEN WERE CRABS (HARD & SPIDER), SAND DOLLARS,
CONCH, WHELK CASINGS, FLOUNDER, 15 CLEARWOLF
SKATES, 2 ANGEL SHARKS (2' 1/2 - 4').

5 1/2' FIVE GALLON BUCKETS ~~COLLECTED~~ OF
ROCK & ARTILLERY MATERIAL WAS TAKEN
FROM THE CAGES AND DUMPED EN ROUTE
TO THE PUMPING STATION.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
			

Observer(s) On Duty: JUD KLEMMST

DAILY REPORT

Observer(s) On Duty: Judd Klement

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge R.N. WEEKS / Sandbridge Beach Erosion Control
USACE, Norfolk District

DAILY REPORT

Date: 07/06/98 Loads: 339-340, 343-344
Area(s) Worked: Borrow Area B
Weather Conditions: CLEAR, WINDS NE → E - S-2 SKts, SEAS 1-6 ft
Range of H₂O Temperature: Surface 76°F & 75°F (75.5°F) Below Mid-Depth 70 & 71°F (Avg 70.5°F)
Condition of all screening apparatus: GOOD CONDITION

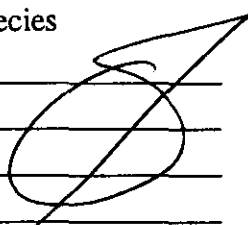
Are there incidents involving endangered or protected species? Yes _____ No X

Comments (type of material being dredged, biological specimens, etc.): _____

THERE WERE NO TURTLES INJURED, KILLED OR SIGHTED TODAY.
THE MAJORITY OF THE MATERIAL BEING DREDGED WAS
SAND AND SOME SHELL. TEMPERATURES WERE TAKEN
AT THE PUMP OUT SITE BY THE OBSERVER.
THE MAJORITY OF THE BIOLOGICAL SPECIMENS CONSISTED
OF CRABS (SPIDER & HORSESHOE), SAND DOLPHINS, CONCH, WHOLE
CRABS, FLEUNDER, 15 CLEARNOSE SKATES, & 3 STARFISHES

7 1/2 five GALLON buckets of rock &
ARTILLERY DEBRIS ~~WAS~~ TAKEN FROM THE
CAGES WAS DUMPED OVERBOARD (ON THE WAY TO) or
AT THE PUMP OUT SITE.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Observer(s) On Duty: JUDN KLEMENT

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge R.N. WEEKS / Sandbridge Beach Erosion Control
USACE, Norfolk District

WEEKLY SUMMARY

Dates: 06 / 30 / 98 - 07 / 06 / 98 Loads: 300-344
Range of H₂O Temperature: Surface 72.5 °F (AVG.) Below Mid-Depth 67.5 °F (AVG.)
Area(s) Worked: BORROW AREA B

Are there incidents involving endangered or protected species? Yes No X

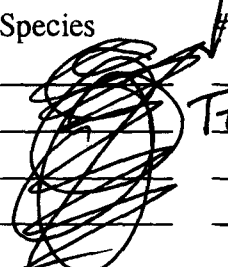
Comments (Attach Daily Reports and Incident Reports as necessary):

THERE WERE NO TURTLES INJURED, KILLED, OR SIGHTED THIS WEEK. THE MAJORITY OF THE MATERIAL DUG WAS SAND WITH LIGHT AMOUNTS OF SAND MATERIAL. TEMPERATURES WERE TAKEN AT THE PUMPOUT STATION BY THE OBSERVER AND AN AVERAGE WAS USED. THERE WAS SOME SHIP DOWN TIME DUE TO SOME PROBLEMS IN THE HOPPER.

THE MAJORITY OF THE BIOLOGICAL SPECIMENS WERE CRABS (SPIDER & HORSESHOE), SAND DOLLARS, SEA STARS, CONCH, WHELK CASINGS, MERMAID PURSES, WOOD, FLOUNDER, 7 ANGEL SHARKS (1'-4'), 130 CLEA NOISE SKATES & 12 STARGAZERS.

49 1/2 FIVE GALLON BUCKETS OF ROCK & ARTIFICIAL DEBRIS TAKEN FROM THE CAGES WAS DUMPED ABOARD AT THE PUMPOUT STATION OR ON THE WAY. ALSO, ONE OF THE CROSS BARS IN THE STBD FORE CAGE CAME OFF AND WAS FIXED WITHIN 1/2 HOUR.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
 Tt	1	6	ABOUT 300 yds OFF SHORE AT 1140 AM 070298

Observers On Duty: JUDD Klement

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge R.N. WEEKS / Sandbridge Beach Erosion Control
USACE, Norfolk District

DAILY REPORT

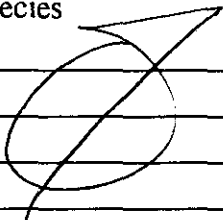
Date: 07/07/98 Loads: 345
Area(s) Worked: Borrow Area B
Weather Conditions: clear, NW 5-10 kts, seas 1-3 ft
Range of H₂O Temperature: Surface N/C Below Mid-Depth N/C
Condition of all screening apparatus: Good Condition

Are there incidents involving endangered or protected species? Yes No X

Comments (type of material being dredged, biological specimens, etc.):

THE OBSERVER CAME ON WATCH AT 0600. THE VESSEL WAS ON ITS WAY TO FUEL IN NORFOLK. THERE WERE NO TURTLE PARTS OR TURTLES IN THE CAGES. THE MAJORITY OF THE BIOLOGICAL SPECIMENS WERE CONCH, SAND DOLLARS, CRABS (SPIDER & HORSESHOE), 3 CLEARED SKATES, & ONE STARGAZER. WE ARRIVED BACK AT THE DIGGING SIGHT AND STARTED DIGGING AT 2319. TEMPERATURES WERE NOT TAKEN TODAY.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
			

Observer(s) On Duty: Judd Klement

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge R.N. WEEKS / Sandbridge Beach Erosion Control
USACE, Norfolk District

DAILY REPORT

Date: 07 / 08 / 98 Loads: 348-350
Area(s) Worked: BORROW AREA B
Weather Conditions: OVERCAST, WINDS SW 0-1 KTS, SEAS 13 FT
Range of H₂O Temperature: Surface 72°-74°F (73°F AVG) Below Mid-Depth 70-72°F (71°F AVG)
Condition of all screening apparatus: GOOD CONDITION

Are there incidents involving endangered or protected species? Yes No X

Comments (type of material being dredged, biological specimens, etc.):

THERE WERE NO TURTLES INJURED, KILLED, OR SIGHTED TODAY. THE MAJORITY OF THE MATERIAL BEING DREDGED WAS SAND WITH SOME SHELL MATERIAL. TEMPERATURES WERE TAKEN AT THE DUMPSITE BY THE OBSERVER.

THE MAJORITY OF THE BIOLOGICAL MATERIALS WERE CRABS (SPIDER & HORSESHOE), COCKLE, SAND DOLLARS, WHELK CASINGS, 7 FLOUNDER, 14 CLEARNOSE SKATES, & 7 STARWATERS.

FOUR 5 GALLON BUCKETS OF ROCK & ARTILLERY DEBRIS TAKEN FROM THE LAGES WAS DUMPED OVERBOARD ALONG WITH A 3' SECTION OF WHAT APPEARS TO BE A MISSILE.

DIGGING STOPPED FROM @ 0920 UNTIL @ 1800 DUE TO ~~ACROSSING~~ THE PUMPING STATION BEING MOVED

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u>Tt.</u>	<u>1</u>	<u>6</u>	<u>@ 1900 3/4 mile OFFSHORE SHOWING FEEDING BEHAV.</u>

Observer(s) On Duty: JOOD KLEMENT

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge R.N. WEEKS / Sandbridge Beach Erosion Control
USACE, Norfolk District

DAILY REPORT

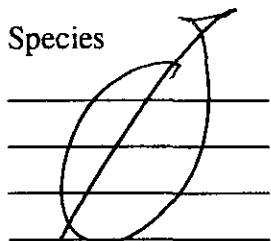
Date: 07/09/98 Loads: 353-354, 357-358
Area(s) Worked: BORDER AREA B
Weather Conditions: OVCRAST (AM) - CLEAR (PM), WINDS NNW - S-20 KTS, SEAS 1-4 FT
Range of H₂O Temperature: Surface 73°F Below Mid-Depth 70°F
Condition of all screening apparatus: GOOD CONDITION

Are there incidents involving endangered or protected species? Yes _____ No X

Comments (type of material being dredged, biological specimens, etc.): _____

THERE WERE NO TURTLES INJURED, KILLED, OR
SIGHTED TODAY. THE MAJORITY OF THE MATERIAL
TAKEN WAS SAND WITH SOME SHELL MATERIAL.
TEMPERATURES WERE TAKEN AT DUMPS &
BY THE OBSERVER. THE MAJORITY OF THE
BIOLOGICAL SPECIMENS WERE CRABS (SPIDER & HORSESHOE)
SAND DOLLS, WHECK CASINGS, HERMIT CRABS, CONCH,
4 FLOUNDER, 2 STARFISHES, 42 CLARKE SLATES, 3 1/2
ANGEL SHARK, 2 STING RAYS. ALSO 9 1/2 FIVE
GALLON BUCKETS OF ROCK & LITTERY MATERIAL
TAKEN FROM THE CAGES TODAY WAS
DUMPED OVERBOARD ON THE WAY & AT THE
~~PUMP~~ PUMP STATION (ALSO SOME FLAMMABLE POLY CANISTER
TAKEN FROM A DRAG ARM.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
			

Observer(s) On Duty: JUDY KLEMENT

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *R.N. WEEKS* / Sandbridge Beach Erosion Control
USACE, Norfolk District

DAILY REPORT

Date: 07 / 10 / 98 Loads: 359-366
Area(s) Worked: Borrow area B
Weather Conditions: Skies mostly clear, Winds calm to light airs, Seas calm
Range of H₂O Temperature: Surface 76°F Below Mid-Depth 72°F
Condition of all screening apparatus: OK

Are there incidents involving endangered or protected species? Yes No X

Comments (type of material being dredged, biological specimens, etc.):
Samples today consisted of horseshoe crabs,
whelks, sea stars, spider crabs, shell, stargazers, rocks,
clearnose skates, whelk egg cases and artillery shell. Material
digging is sand with small amounts of shell.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u> </u>	<u> </u>	<u> </u>	<u>No sightings</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>

Observer(s) On Duty: Eric Westerman

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *R.N. WEEKS* / Sandbridge Beach Erosion Control
USACE, Norfolk District

DAILY REPORT

Date: 07 / 11 / 98 Loads: 367-373
Area(s) Worked: Borrow area B
Weather Conditions: Skies variable, Winds northerly 10-20 knots, Seas 2'-4'
Range of H₂O Temperature: Surface 74°F Below Mid-Depth 72°F
Condition of all screening apparatus: OK

Are there incidents involving endangered or protected species? Yes _____ No x

Comments (type of material being dredged, biological specimens, etc.):
Samples today consisted of horseshoe crabs,
blue crabs, spider crabs, lady crabs, flounder, whelks,
clearnose skates, stargazers, rocks, trash and artillery
shells. Material digging is sand with small amount of shell.
Observers hours are 6-12, 1800-2400.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
_____	_____	_____	<u>No sightings</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Eric Westerman

Observer(s) On Duty: _____

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *R.N. WEEKS* / Sandbridge Beach Erosion Control
USACE, Norfolk District

DAILY REPORT

Date: 07 / 12 / 98 Loads: 374-380
Area(s) Worked: Borrow area B
Weather Conditions: Skies partly cloudy, Winds light airs, Seas 1'-3'
Range of H₂O Temperature: Surface 73°F Below Mid-Depth 70°F
Condition of all screening apparatus: OK

Are there incidents involving endangered or protected species? Yes No x

Comments (type of material being dredged, biological specimens, etc.):
Samples today consisted of angel sharks,
horseshoe crabs, spider crabs, blue crabs, whelks, shell,
flounder, stargazers, rocks and artillery shells. Cages
remain closed 24 hours a day. Material digging is sand
with small amounts of shell.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
			No sightings

Eric Westerman

Observer(s) On Duty: _____

WEEKLY SUMMARY

Area(s) Worked: Borrow area B

Are there incidents involving endangered or protected species? Yes _____ No ☒ **X**

Comments (Attach Daily Reports and Incident Reports as necessary):_____

No turtles were detected killed or injured this week. No turtles were sighted this week.

The screens and T.E.D.s have remained in working order. The inflow cages remain closed all the time.

Samples this week have mainly consisted of horseshoe crabs, spider crabs, whelks, blue crabs, clearnose skates, shell, angel sharks, stargazers, flounder, whelk egg cases, rocks and artillery shells. Material digging is sand with small amounts of rock and shell.

Observers hours have been from 600-1200,
1800-2400. The dredge was in port one day for fuel.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Tt	1	6	Bottlenose dolphins

Observers On Duty: Eric Westerman, Judd Klement

DAILY REPORT

Observer(s) On Duty: _____

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge R.N. WEEKS / Sandbridge Beach Erosion Control
USACE, Norfolk District

DAILY REPORT

Date: 07 / 15 / 98 Loads: 396-402
Area(s) Worked: Borrow area B
Weather Conditions: Skies cloudy, rain, Winds E 10-15 knots, Seas 2'-3'
Range of H₂O Temperature: Surface 75°F Below Mid-Depth 73°F
Condition of all screening apparatus: OK

Are there incidents involving endangered or protected species? Yes No X

Comments (type of material being dredged, biological specimens, etc.):
Samples today consisted of clearnose
skates, whelks, spider crabs, angel shark, shell, rock,
flounder, horseshoe crabs, blue crabs and artillery shells.
Material digging is sand with small amounts of shell.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
			<u>No sightings</u>

Observer(s) On Duty: Eric Westerman

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *R.N. WEEKS* / Sandbridge Beach Erosion Control
USACE, Norfolk District

DAILY REPORT

Date: 07 / 16 / 98 Loads: 403-409

Area(s) Worked: Borrow area B

Weather Conditions: Skies cloudy, rain, Winds S 10-15 knots, Seas 2'-3'

Range of H₂O Temperature: Surface 75°F Below Mid-Depth 73°F

Condition of all screening apparatus: OK

Are there incidents involving endangered or protected species? Yes No X

Comments (type of material being dredged, biological specimens, etc.):

Samples today mainly consisted of whelks,
horseshoe crabs, spider crabs, clearnose skates, flounder,
angel shark, blue crab, rocks and artillery shells. Material
digging is sand with small amounts of shell.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u> </u>	<u> </u>	<u> </u>	<u>No sightings</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>

Eric Westerman

Observer(s) On Duty:

DAILY REPORT

Are there incidents involving endangered or protected species? Yes _____ No x

Comments (type of material being dredged, biological specimens, etc.):
Samples continue to consist of mainly wheelks,
horseshoe crabs, spider crabs, lady crabs, shell, flounder,
angel sharks, stargazers, rock and artillery shell. Observers
hours continue to be from 600-1200, 1800-2400. The cage doors
remained closed all the time.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
			No sightings

Eric Westerman

Observer(s) On Duty: _____

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge *R.N. WEEKS* / Sandbridge Beach Erosion Control
USACE, Norfolk District

DAILY REPORT

Date: 07 / 18 / 98 Loads: 417-422

Area(s) Worked: Borrow area B

Weather Conditions: Skies mostly cloudy, Winds light airs, Seas calm

Range of H₂O Temperature: Surface 76°F Below Mid-Depth 73°F

Condition of all screening apparatus: OK

Are there incidents involving endangered or protected species? Yes No X

Comments (type of material being dredged, biological specimens, etc.):

Samples today consisted of whelks, flounder,
clearnose skates, spider crabs, horseshoe crabs, sea stars,
sand dollars, lady crabs, stargazers, wood, rock and artillery
shells. Material digging is sand with small amounts of shell.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u> </u>	<u> </u>	<u> </u>	<u>No sightings</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>

Eric Westerman

Observer(s) On Duty:

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *R.N. WEEKS* / Sandbridge Beach Erosion Control
USACE, Norfolk District

DAILY REPORT

Date: 07 / 19 / 98 Loads: 423-429
Area(s) Worked: Borrow area B
Weather Conditions: Skies partly cloudy, Winds SE 5-15 knots, Seas 1'-3'
Range of H₂O Temperature: Surface 77°F Below Mid-Depth 73°F
Condition of all screening apparatus: OK

Are there incidents involving endangered or protected species? Yes No x

Comments (type of material being dredged, biological specimens, etc.):
Samples today mainly consisted of horseshoe crabs,
spider crabs, lady crabs, whelks, sand dollars, shell, flounder,
stargazers, clearnose skates, rocks and artillery shells. Material
digging is sand with small amounts of shell.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
			No sightings

Observer(s) On Duty: Eric Westerman

WEEKLY SUMMARY

Observers On Duty: _____

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge *R.N. WEEKS* / Sandbridge Beach Erosion Control
USACE, Norfolk District

DAILY REPORT

Date: 07 / 20 / 98 Loads: 430-435
Area(s) Worked: Borrow area B
Weather Conditions: Skies partly cloudy, Winds SW 10-15 knots, Seas 1'-3'
Range of H₂O Temperature: Surface 74°F Below Mid-Depth 72°F
Condition of all screening apparatus: OK

Are there incidents involving endangered or protected species? Yes No x

Comments (type of material being dredged, biological specimens, etc.):
Samples today consisted of mainly whelks,
clearnose skates, shell, horeseshoe crabs, spider crabs,
flounder, stargazers, sand dollars, rocks and artillery
shells. Observers hours continue to be from 0600-1200,
1800-2400. Material digging is sand with small amounts of
shell.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u> </u>	<u> </u>	<u> </u>	<u>No sightings</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
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<u> </u>	<u> </u>	<u> </u>	<u> </u>

Eric Westerman

Observer(s) On Duty:

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge R.N. WEEKS / Sandbridge Beach Erosion Control
USACE, Norfolk District

DAILY REPORT

Date: 07 / 21 / 98 Loads: 436-437

Area(s) Worked: Borrow area B

Weather Conditions: Skies partly cloudy, Winds SW 10-15 knots, Seas 1'-3'

Range of H₂O Temperature: Surface 75°F Below Mid-Depth 72°F

Condition of all screening apparatus: OK

Are there incidents involving endangered or protected species? Yes No X

Comments (type of material being dredged, biological specimens, etc.):

Samples today consisted of clearnose
skates, whelks, flounder, spider crabs, shell, lady crabs,
horseshoe crabs, rock and artillery shells. Project completed
with no detected turtle kills or injuries.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
<u> </u>	<u> </u>	<u> </u>	<u>No sightings</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>

Eric Westerman

Observer(s) On Duty: